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Multiple geophysical observations for earthquake monitoring in Kanto, Japan
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In order to understand the preparation process of large earthquakes and clarify the mechanisms of Lithosphere-Atmosphere-Ionosphere (LAI) coupling, an observation network are established in Kanto, Japan. Multiple geophysical parameters such as geomagnetic field, geoelectric field, radon concentration, ion concentration, and atmospheric electric field are monitored. The meteorological data at each station are also recorded. These data may provide some new knowledge of earthquake process. We will demonstrate the observation system and some recent data in our poster.
Keywords: multiple geophysical observations, earthquake monitoring, preparation process of large earthquakes, mechanisms of Lithosphere-Atmosphere-Ionosphere coupling